

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/011006

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D487/04 C07D241/20 A61K31/4985

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, EMBASE, BIOSIS, WPI Data, PAJ, BEILSTEIN Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 976 753 A (KYOWA HAKKO KOGYO KK) 2 February 2000 (2000-02-02) abstract; claims	1-56
Y	EP 1 116 722 A (KYOWA HAKKO KOGYO KK) 18 July 2001 (2001-07-18) abstract	1-56
Y	WO 99/43678 A (ICHIMURA MICHIO ; NAKAMURA AKIKO (JP); SHIMADA JUNICHI (JP); SHIOZAKI) 2 September 1999 (1999-09-02) abstract; claims	1-56
Y	WO 03/020723 A (ENOKIZONO JUNICHI ; HAGIHARA KOJI (JP); SUZUKI KOJI (JP); ARAI HITOSHI) 13 March 2003 (2003-03-13) abstract	1-56
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

15 September 2004

Date of mailing of the international search report

01/10/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>COLOTTA, V. ET AL: "Synthesis of some tricyclic heteroaromatic systems and their A1 and A2a adenosine binding activity" EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, 30(2), 133-9 CODEN: EJMCA5; ISSN: 0223-5234, 1995, XP002296479 examples 1-10</p> <p>-----</p>	1-56
Y	<p>BARALDI P G ET AL: "Design, synthesis, and biological evaluation of a second generation of pyrazolo(4,3-e)-1,2,4-triazolo(1,5-c)pyrimidines as potent and selective A2A adenosine receptor antagonists" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 41, 1998, pages 2126-2133, XP002163351 ISSN: 0022-2623 example 4</p> <p>-----</p>	1-56

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
  
Although claims 37-48 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0976753	A	02-02-2000	AT 257156 T	15-01-2004
			AU 743910 B2	07-02-2002
			AU 6422198 A	20-10-1998
			CA 2284737 A1	01-10-1998
			DE 69820866 D1	05-02-2004
			EP 0976753 A1	02-02-2000
			US 6222035 B1	24-04-2001
			WO 9842711 A1	01-10-1998
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			WO 0017201 A1	30-03-2000
WO 9943678	A	02-09-1999	AU 2639299 A	15-09-1999
			WO 9943678 A1	02-09-1999
WO 03020723	A	13-03-2003	WO 03020723 A1	13-03-2003